1   41264/FLC/Y64

WHAT IS CLAIMED IS:

1. A method for scheduling and delivery of a product to a
5   buyer along the buyer's commuting route, comprising:
          receiving route information from a buyer;
          selecting from a plurality of pickup points a pickup
          point based on the route information; and
          dispatching a mobile pickup station to the pickup
10   point, the mobile pickup station containing a
          product ordered by the buyer.

2. The method of Claim 1, wherein selecting a pickup
point further comprises:
15   receiving a channel width from the buyer;
          calculating a channel area using the channel width
          and the route information;
          determining a set of pickup points from the
          plurality of pickup points based on the channel
20   area;
          selecting from the set of pickup points a pickup
          point.

3. The method of Claim 1, wherein the plurality of pickup
25   points is determined using an approximate buyer route
concentration based on route usage.

4. The method of Claim 1, further comprising:
          receiving a plurality of routes from a plurality of
30   buyers; and
          determining the plurality of pickup points based on
          the plurality of routes.

5. The method of Claim 1, further comprising:
35   receiving a specification of a plurality of

preferred products;

receiving an occurrence rate for each of the

plurality of preferred products; and

ordering the product for the buyer using the

occurrence rates.

6. The method of Claim 1, further comprising reminding the buyer via email that a product delivery is scheduled at the pickup point.

7. The method of Claim 1, further comprising reminding the buyer telephonically that a product delivery is scheduled at the pickup point.

8. The method of Claim 1, wherein:

the mobile pickup station includes a plurality of lockers for containing products, each of the plurality of lockers having a unique access code; and

giving the buyer an access code for a locker containing the buyer's product, the locker selected from the plurality of lockers.

9. A method of determining for a buyer a store where a product may be purchased, comprising:

receiving product information from a buyer;

receiving route information from the buyer, the route information including a route and channel width; and

selecting a set of stores from a plurality of stores based on the product information and the route information.

10. The method of Claim 9, wherein selecting the set of
stores comprises:

5   providing a store database, the store database
            containing location and product information for each
            of the plurality of stores;
            using the route and channel width to calculate a
            channel area; and

10   searching the store database for a set of stores
            carrying the product wherein each store in the set
            of stores is located within the channel area.

11. A method for scheduling and delivery of a product to

15 a buyer by a seller using a third party seller affiliate,
comprising:
            receiving an order for a product from a buyer;
            receiving route information from a buyer;
            selecting from a plurality of pickup points a pickup

20   point based on the route information;
            selecting a third party seller affiliate from a
            plurality of third party sellers based on the
            location of the pickup point; and
            dispatching by the third party seller affiliate a

25   mobile pickup station to the pickup point, the
            mobile pickup station containing the products
            ordered by the buyer.

12. A method for scheduling and delivery of a product to

30 a buyer along the buyer's commuting route, comprising:
            receiving route information from a buyer;
            selecting from a plurality of fixed pickup stations
            a fixed pickup station based on the route
            information; and

35   delivering a product ordered by the buyer to the

fixed pickup station.

5   13. The method of Claim 12, wherein selecting a fixed
pickup station further comprises:
        receiving a channel width from the buyer;
        calculating a channel area using the channel width
        and the route information;
10   determining a set of fixed pickup stations from the
        plurality of fixed pickup stations based on the
        channel area;
        selecting from the set of fixed pickup stations a
        fixed pickup station.

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        14. The method of Claim 12, further comprising:
        receiving a specification of a plurality of
        preferred products;
20   receiving an occurrence rate for each of the
        plurality of preferred products; and
        ordering the product for the buyer using the
        occurrence rates.

25   15. The method of Claim 12, further comprising reminding
the buyer via email that a product delivery is scheduled
at the fixed pickup station.

        16. The method of Claim 12, further comprising reminding
30   the buyer telephonically that a product delivery is
scheduled at the fixed pickup station.

        17. The method of Claim 12, wherein:
        the fixed pickup station includes a plurality of
35   lockers for containing products, each of the

plurality of lockers having a unique access code; and

giving the buyer an access code for a locker containing the buyer's product, the locker selected from the plurality of lockers.

18. A method for scheduling pickup of a package from a user along the user's commuting route, comprising:
receiving route information from a user;
selecting from a plurality of pickup points a pickup point based on the route information; and
dispatching a mobile pickup station to the pickup point, the mobile pickup station for picking up the package from the user.

19. The method of Claim 18, wherein selecting a pickup point further comprises:
receiving a channel width from the user;
calculating a channel area using the channel width and the route information;
determining a set of pickup points from the plurality of pickup points based on the channel area;
selecting from the set of pickup points a pickup point.

20. The method of Claim 18, wherein the plurality of pickup points is determined using an approximate user route concentration based on route usage.

21. The method of Claim 18, further comprising:
receiving a plurality of routes from a plurality of users; and

determining the plurality of pickup points based on
the plurality of routes.

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22. The method of Claim 18, further comprising reminding
the user via email that a package pickup is scheduled at
the pickup point.

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23. The method of Claim 18, further comprising reminding
the user telephonically that a package pickup is
scheduled at the pickup point.

15   24. The method of Claim 18, wherein:
        the mobile pickup station includes a plurality of
        lockers for containing products, each of the
        plurality of lockers having a unique access code;
        and
20   giving the user an access code for a locker
        containing the user's product, the locker selected
        from the plurality of lockers.

25. A method for scheduling pickup of a package from a
25   user along the user's commuting route, comprising:
        receiving route information from a user; and
        selecting from a plurality of fixed pickup stations
        a fixed pickup station based on the route
        information.

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26. The method of Claim 25, wherein selecting a fixed
pickup station further comprises:
        receiving a channel width from the user;
        calculating a channel area using the channel width
35   and the route information;

determining a set of fixed pickup stations from the
plurality of fixed pickup stations based on the
5   channel area;
selecting from the set of fixed pickup stations a
fixed pickup station.

27. The method of Claim 25, further comprising reminding
10   the user via email that a package pickup is scheduled at
the fixed pickup station.

28. The method of Claim 25, further comprising reminding
the user telephonically that a package pickup is
15   scheduled at the fixed pickup station.

29. The method of Claim 25, wherein:
        the fixed pickup station includes a plurality of
        lockers for containing packages, each of the
20   plurality of lockers having a unique access code;
        and
        giving the user an access code for a locker to
        contain the user's package, the locker selected from
        the plurality of lockers.
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30. A method for scheduling and delivery of a product to
a buyer along the buyer's commuting route, comprising:
        receiving route information from a buyer;
        receiving a channel width from the buyer;
30   calculating a channel area using the channel width
        and the route information;
        determining a set of pickup points from a plurality
        of pickup points based on the channel area;
        selecting from the set of pickup points a pickup
35   point; and

dispatching a mobile pickup station to the pickup
point, the mobile pickup station containing a
product ordered by the buyer.

31. The method of Claim 30, wherein the plurality of
pickup points is determined using an approximate buyer
route concentration based on route usage.

32. The method of Claim 30, further comprising:
        receiving a plurality of routes from a plurality of
        buyers; and
        determining the plurality of pickup points based on
        the plurality of routes.

33. A data processing system adapted to schedule and
deliver a product to a buyer along the buyer's commuting
route, comprising:
        a processor; and
        a memory operably coupled to the processor and
        having program instructions stored therein, the
        processor being operable to execute the program
        instructions, the program instructions including:
                receiving route information from a buyer;
                selecting from a plurality of pickup points a
                pickup point based on the route information;
                and
                dispatching a mobile pickup station to the
                pickup point, the mobile pickup station
                containing a product ordered by the buyer.

34. The data processing system of Claim 33, wherein the
program instructions for selecting a pickup point further

include:

    receiving a channel width from the buyer;

5   calculating a channel area using the channel width
and the route information;

    determining a set of pickup points from the
plurality of pickup points based on the channel
area;

10   selecting from the set of pickup points a pickup
point.

35. The data processing system of Claim 33, the program
instructions further including determining the plurality

15   of pickup points using an approximate buyer route
concentration based on route usage.

36. The data processing system of Claim 33, the program
instructions further including:

20   receiving a plurality of routes from a plurality of
buyers; and

    determining the plurality of pickup points based on
the plurality of routes.

25   37. The data processing system of Claim 33, the program
instructions further including:

    receiving a specification of a plurality of
preferred products;

    receiving an occurrence rate for each of the

30   plurality of preferred products; and

    ordering the product for the buyer using the
occurrence rates.

38. The data processing system of Claim 33, the program

35   instructions further including reminding the buyer via

email that a product delivery is scheduled at the pickup
point.

39. The data processing system of Claim 33, the program
instructions further including reminding the buyer
telephonically that a product delivery is scheduled at
the pickup point.

40. A data processing system adapted to determine for a
buyer a store where a product may be purchased along the
buyer's commuting route, comprising:
     a processor; and
     a memory operably coupled to the processor and
     having program instructions stored therein, the
     processor being operable to execute the program
     instructions, the program instructions including:
          receiving product information from a buyer;
          receiving route information from the buyer, the
          route information including a route and channel
          width; and
          selecting a set of stores from a plurality of
          stores based on the product information and the
          route information.

41. The data processing system of Claim 40, wherein the
program instructions for selecting the set of stores
include:
          accessing a store database containing location and
          product information for each of the plurality of
          stores using the route and channel width to
          calculate a channel area; and
          searching the store database for a set of stores

carrying the product wherein each store in the set
of stores is located within the channel area,.

42. A data processing system adapted to schedule and
deliver a product to a buyer by a seller using a third
party seller affiliate, comprising:
    a processor; and
    a memory operably coupled to the processor and
    having program instructions stored therein, the
    processor being operable to execute the program
    instructions, the program instructions including:
        receiving an order for a product from a buyer;
        receiving route information from a buyer;
        selecting from a plurality of pickup points a
        pickup point based on the route information;
        selecting a third party seller affiliate from a
        plurality of third party sellers based on the
        location of the pickup point; and
        dispatching by the third party seller affiliate
        a mobile pickup station to the pickup point,
        the mobile pickup station containing the
        products ordered by the buyer.

43. A data processing system adapted to schedule and
deliver a product to a buyer along the buyer's commuting
route, comprising:
    a processor; and
    a memory operably coupled to the processor and
    having program instructions stored therein, the
    processor being operable to execute the program
    instructions, the program instructions including:
        receiving route information from a buyer;
        selecting from a plurality of fixed pickup

stations a fixed pickup station based on the
route information; and

5   delivering a product ordered by the buyer to
the fixed pickup station.

44. The data processing system of Claim 43, wherein the
program instructions for selecting a fixed pickup station
10   further include:
        receiving a channel width from the buyer;
        calculating a channel area using the channel width
        and the route information;
        determining a set of fixed pickup stations from the
15   plurality of fixed pickup stations based on the
        channel area;
        selecting from the set of fixed pickup stations a
        fixed pickup station.

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45. The data processing system of Claim 43, the program
instructions further including:
        receiving a specification of a plurality of
        preferred products;
25   receiving an occurrence rate for each of the
        plurality of preferred products; and
        ordering the product for the buyer using the
        occurrence rates.

30   46. The data processing system of Claim 43, the program
instructions further including reminding the buyer via
email that a product delivery is scheduled at the fixed
pickup station.

35   47. The data processing system of Claim 43, the program

instructions further including reminding the buyer
telephonically that a product delivery is scheduled at
5   the fixed pickup station.

48. A data processing system adapted to scheduling pickup
of a package from a user along the user's commuting
route, comprising:
10   a processor; and
                a memory operably coupled to the processor and
        having program instructions stored therein, the
        processor being operable to execute the program
        instructions, the program instructions including:
15   receiving route information from a user;
                        selecting from a plurality of pickup points a
                pickup point based on the route information;
                and
                        dispatching a mobile pickup station to the
20   pickup point, the mobile pickup station for
                picking up the package from the user.

49. The data processing system of Claim 48, the program
instructions further including:
25   receiving a channel width from the user;
                calculating a channel area using the channel width
        and the route information;
                determining a set of pickup points from the
        plurality of pickup points based on the channel
30   area;
                selecting from the set of pickup points a pickup
        point.

50. The data processing system of Claim 48, the program
35   instructions further including determining the plurality

of pickup points using an approximate user route
concentration based on route usage.

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51. The data processing system of Claim 48, the program
instructions further including:
        receiving a plurality of routes from a plurality of
        users; and

10   determining the plurality of pickup points based on
        the plurality of routes.

52. The data processing system of Claim 48, the program

15 instructions further including reminding the user via
email that a package pickup is scheduled at the pickup
point.

53. The data processing system of Claim 48, the program

20 instructions further including reminding the user
telephonically that a package pickup is scheduled at the
pickup point.

25 54. A data processing system adapted to schedule pickup
of a package from a user along the user's commuting
route, comprising:
        a processor; and
        a memory operably coupled to the processor and

30   having program instructions stored therein, the
        processor being operable to execute the program
        instructions, the program instructions including:
                receiving route information from a user;
                receiving a channel width from the user;

35   calculating a channel area using the channel

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width and the route information;
determining a set of fixed pickup stations from
the plurality of fixed pickup stations based on
the channel area; and
selecting from the set of fixed pickup stations
a fixed pickup station.